

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

RECEIVED

NOV 07 2002

TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/007,452

DATE: 12/20/2001

TIME: 14:00:34

Input Set : A:\CL1709 US NA Seq Listing.txt

Output Set: N:\CRF3\12202001\J007452.raw

ENTERED

5 <110> APPLICANT: Tomb, Jean-Francois  
6 Bramucci, Michael G.  
7 Cheng, Qiong  
8 Kostichka, Kristy N.  
11 <120> TITLE OF INVENTION: Rhodococcus Cloning and Expression Vectors  
14 <130> FILE REFERENCE: CL1709 US NA  
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/007,452  
C--> 17 <141> CURRENT FILING DATE: 2001-11-08  
17 <150> PRIOR APPLICATION NUMBER: 60/254,868  
18 <151> PRIOR FILING DATE: 2000-12-12  
21 <160> NUMBER OF SEQ ID NOS: 30  
24 <170> SOFTWARE: Microsoft Office 97  
27 <210> SEQ ID NO: 1  
29 <211> LENGTH: 1140  
31 <212> TYPE: DNA  
33 <213> ORGANISM: Rhodococcus AN12  
37 <400> SEQUENCE: 1

38	atgaccagcg	taagtgtctga	acacctttcc	ggcaaagacc	ggcctcccgt	cctcgtgtcg	60									
40	tccgataagc	gcggcatccg	gcacgaactg	cgacccaaac	ttcaacaaat	caccacgtca	120									
42	gaaacattta	acgcctgtgg	ccggccgatt	tctggcgtga	acggtgtgac	cattgtcaac	180									
44	ggtccgaaag	gttctggatt	cggaggcctt	cgttcctgcg	gaaagggctg	gatctgcccc	240									
46	tgctgtgcgg	gaaaagtcgg	tgcacatcgt	gcagacgaaa	tttctcaagt	tgttgtcat	300									
48	caactcggga	ctggatctgt	tgcgatgggtg	acgatgacca	tgcgccatac	agctggtcag	360									
50	cggctccacg	acctatggac	tggactttcg	gcagcctgga	aagctgcgac	caacggtcgt	420									
52	cgttggcgta	cggaaactga	aatgtacggc	tgcgacggat	acgtgcgcgc	tgttgaaatc	480									
54	actcacggaa	aaaacggctg	gcacgtccac	gttcacgcgc	tactcatgtt	cagtggtagc	540									
56	gtgagtga	acatcctcga	atccttctcg	gatgcgatgt	tcgatcgggtg	gacttccaaa	600									
58	ctcgtatctc	tgggatttgc	tgcgccacta	cgtaattcgg	gtggtctcga	tgtacgaaag	660									
60	atcggcgggtg	aagctgatca	agttctcgct	gcgtatctga	cgaaaattgc	atctggcggtt	720									
62	ggtatggagg	ttggtagtgg	cgacggaaaa	agtggctgac	atggcaaccg	tgcaccctgg	780									
64	gaaatcgctg	ttgatgcagt	ggcggggat	ccacaagcgt	tggaactgtg	gcgagaat	840									
66	gagtttggtt	cgatgggacg	tcgggcaatc	gcgtggtccc	gtggattgcg	tgcccgaagt	900									
68	ggtcttgggg	cagaactaac	agatgctcag	atcgttgagc	aggaagaatc	tgccccggtc	960									
70	atggttgcca	tcattccggc	gcgatcgtgg	atgatgattc	ggacttgtgc	gccttacgtc	1020									
72	ttcgccgaga	tcctcggact	cgtcgaagct	ggcgcgactt	gggaaaatct	tcgtgatcac	1080									
74	ttgcattatc	gattgccccg	agcggatgtg	cggcccccca	taatatcggt	tcgcaagtga	1140									
77	<210>	SEQ ID NO: 2														
79	<211>	LENGTH: 379														
81	<212>	TYPE: PRT														
83	<213>	ORGANISM: Rhodococcus AN12														
87	<400>	SEQUENCE: 2														
89	Met	Thr	Ser	Val	Ser	Ala	Glu	His	Leu	Ser	Gly	Lys	Asp	Arg	Pro	Pro
90	1				5					10					15	
93	Val	Leu	Val	Ser	Ser	Asp	Lys	Arg	Gly	Ile	Arg	His	Glu	Leu	Arg	Pro
94				20					25					30		
97	Lys	Leu	Gln	Gln	Ile	Thr	Thr	Ser	Glu	Thr	Phe	Asn	Ala	Cys	Gly	Arg
98				35					40					45		

RECEIVED

FEB 12 2002

Technology Center 2100

## RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/007,452

TIME: 14:00:34

Input Set : A:\CL1709 US NA Seq Listing.txt

Output Set: N:\CRF3\12202001\J007452.raw

```

101 Pro Ile Ser Gly Val Asn Gly Val Thr Ile Val Asn Gly Pro Lys Gly
102      50                      55                      60
105 Ser Gly Phe Gly Gly Leu Arg Ser Cys Gly Lys Gly Trp Ile Cys Pro
106 65                      70                      75                      80
109 Cys Cys Ala Gly Lys Val Gly Ala His Arg Ala Asp Glu Ile Ser Gln
110                      85                      90                      95
113 Val Val Ala His Gln Leu Gly Thr Gly Ser Val Ala Met Val Thr Met
114                      100                      105                      110
117 Thr Met Arg His Thr Ala Gly Gln Arg Leu His Asp Leu Trp Thr Gly
118                      115                      120                      125
121 Leu Ser Ala Ala Trp Lys Ala Ala Thr Asn Gly Arg Arg Trp Arg Thr
122      130                      135                      140
125 Glu Arg Glu Met Tyr Gly Cys Asp Gly Tyr Val Arg Ala Val Glu Ile
126 145                      150                      155                      160
129 Thr His Gly Lys Asn Gly Trp His Val His Val His Ala Leu Leu Met
130                      165                      170                      175
133 Phe Ser Gly Asp Val Ser Glu Asn Ile Leu Glu Ser Phe Ser Asp Ala
134                      180                      185                      190
137 Met Phe Asp Arg Trp Thr Ser Lys Leu Val Ser Leu Gly Phe Ala Ala
138                      195                      200                      205
141 Pro Leu Arg Asn Ser Gly Gly Leu Asp Val Arg Lys Ile Gly Gly Glu
142      210                      215                      220
145 Ala Asp Gln Val Leu Ala Ala Tyr Leu Thr Lys Ile Ala Ser Gly Val
146 225                      230                      235                      240
149 Gly Met Glu Val Gly Ser Gly Asp Gly Lys Ser Gly Arg His Gly Asn
150                      245                      250                      255
153 Arg Ala Pro Trp Glu Ile Ala Val Asp Ala Val Gly Gly Asp Pro Gln
154                      260                      265                      270
157 Ala Leu Glu Leu Trp Arg Glu Phe Glu Phe Gly Ser Met Gly Arg Arg
158                      275                      280                      285
161 Ala Ile Ala Trp Ser Arg Gly Leu Arg Ala Arg Ala Gly Leu Gly Ala
162      290                      295                      300
165 Glu Leu Thr Asp Ala Gln Ile Val Glu Gln Glu Glu Ser Ala Pro Val
166 305                      310                      315                      320
169 Met Val Ala Ile Ile Pro Ala Arg Ser Trp Met Met Ile Arg Thr Cys
170                      325                      330                      335
173 Ala Pro Tyr Val Phe Gly Glu Ile Leu Gly Leu Val Glu Ala Gly Ala
174                      340                      345                      350
177 Thr Trp Glu Asn Leu Arg Asp His Leu His Tyr Arg Leu Pro Ala Ala
178                      355                      360                      365
181 Asp Val Arg Pro Pro Ile Ile Ser Val Arg Lys
182      370                      375
185 <210> SEQ ID NO: 3
187 <211> LENGTH: 891
189 <212> TYPE: DNA
191 <213> ORGANISM: Rhodococcus AN12
195 <400> SEQUENCE: 3
196 atggatcaaaa cagacacgat cccgattgcy attggatgga acgaactagc tcaacctgtc      60
198 atggtcgata tagccaaaga tgctgctcac tggctcattc aaggcaaaac ccgttccgga      120

```

## RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/007,452

TIME: 14:00:34

Input Set : A:\CL1709 US NA Seq Listing.txt

Output Set: N:\CRF3\12202001\J007452.raw

```

200 aaatctcaat gcacctacaa cctgctcgca caggctggat cgaatcccg cgtgctgtc 180
202 gtcggagtcg atcccacttc cgtcttacta gcccattcg tccaccgacg accggctgaa 240
204 ccgaacatcg agctcgggct gaacgatttt gacaaagtcc tccgagtgtc ccagttcgtc 300
206 aaagcagaat ctgaccgacg aatcgagtggt ttctgggacg gacgcataga caaaatttcg 360
208 ttgttctcgc cagcactacc tctcatcctg ctcgtactgg aagaatttcc cggaatcatc 420
210 gagggcgcac aggatttcga tgcaaccaac ggtctgaaac cagcagacag atacgcaccc 480
212 cgcatacatc cgcttggtcg acagatcgct gctcagtcgt ccaaagcagg catcagaatg 540
214 ttgtcttgg ctcaacgtgc ggaagcttcc atcgtgggtg gaaacgccc ctcgaacttc 600
216 gcggtgaaaa tgactctccg cgtagacgaa cctgaatctg tcaaaatgct gcacccaac 660
218 gcaacacctg aagagtgccg actggtcgaa ggattcgtcc ctggtcaagg cttcttcgac 720
220 caacccggac tacggcgcca aatgatccga acggttcgag taggtgagta ctcgacctac 780
222 gcgagttacg tcgaaaacgc agacctcgcg tacgaagccg cactgaacat cgaccgagca 840
224 caacgaatga caatcgccctc ggaataccca catctcggcg acataggctg a 891
227 <210> SEQ ID NO: 4
229 <211> LENGTH: 296
231 <212> TYPE: PRT
233 <213> ORGANISM: Rhodococcus AN12
237 <400> SEQUENCE: 4
239 Met Asp Gln Thr Asp Thr Ile Pro Ile Ala Ile Gly Trp Asn Glu Leu
240 1 5 10 15
243 Ala Gln Pro Val Met Val Asp Ile Ala Lys Asp Ala Ala His Trp Leu
244 20 25 30
247 Ile Gln Gly Lys Thr Arg Ser Gly Lys Ser Gln Cys Thr Tyr Asn Leu
248 35 40 45
251 Leu Ala Gln Ala Gly Ser Asn Pro Ala Val Arg Val Val Gly Val Asp
252 50 55 60
255 Pro Thr Ser Val Leu Leu Ala Pro Phe Val His Arg Arg Pro Ala Glu
256 65 70 75 80
259 Pro Asn Ile Glu Leu Gly Leu Asn Asp Phe Asp Lys Val Leu Arg Val
260 85 90 95
263 Leu Gln Phe Val Lys Ala Glu Ser Asp Arg Arg Ile Glu Cys Phe Trp
264 100 105 110
267 Asp Arg Arg Ile Asp Lys Ile Ser Leu Phe Ser Pro Ala Leu Pro Leu
268 115 120 125
271 Ile Leu Leu Val Leu Glu Glu Phe Pro Gly Ile Ile Glu Gly Ala Gln
272 130 135 140
275 Asp Phe Asp Ala Thr Asn Gly Leu Lys Pro Ala Asp Arg Tyr Ala Pro
276 145 150 155 160
279 Arg Ile Thr Ser Leu Val Arg Gln Ile Ala Ala Gln Ser Ala Lys Ala
280 165 170 175
283 Gly Ile Arg Met Leu Leu Leu Ala Gln Arg Ala Glu Ala Ser Ile Val
284 180 185 190
287 Gly Gly Asn Ala Arg Ser Asn Phe Ala Val Lys Met Thr Leu Arg Val
288 195 200 205
291 Asp Glu Pro Glu Ser Val Lys Met Leu His Pro Asn Ala Thr Pro Glu
292 210 215 220
295 Glu Cys Ala Leu Val Glu Gly Phe Val Pro Gly Gln Gly Phe Phe Asp
296 225 230 235 240
299 Gln Pro Gly Leu Arg Arg Gln Met Ile Arg Thr Val Arg Val Gly Glu

```

## RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/007,452

TIME: 14:00:34

Input Set : A:\CL1709 US NA Seq Listing.txt

Output Set: N:\CRF3\12202001\J007452.raw

```

300          245          250          255
303 Tyr Ser Thr Tyr Ala Ser Tyr Val Glu Asn Ala Asp Leu Ala Tyr Glu
304          260          265          270
307 Ala Ala Leu Asn Ile Asp Arg Ala Gln Arg Met Thr Ile Ala Ser Glu
308          275          280          285
311 Tyr Pro His Leu Gly Asp Ile Gly
312          290          295
315 <210> SEQ ID NO: 5
317 <211> LENGTH: 6334
319 <212> TYPE: DNA
321 <213> ORGANISM: Rhodococcus AN12
325 <400> SEQUENCE: 5
326 attcagacca acaatcagtc caactagcaa ggcgacaacc ggtatcgcaa ttcgtgaaac      60
328 aagctttgtc atgcgtccgc gctcttacga gcaggtgcgg agacggccgc tgcaggcatt      120
330 ggaaccaaat tctccactgt gatggatagt gcgagacgat ccatgccagt catgtagggc      180
332 tgcaccaga caaggccttc tgctcggtag atcgtgccga agctgaacgg ctcgctcggc      240
334 gggttgatga cgtgcacgga tgctgtcttg tcagtcgcaa cagttccgtc cttgcgtgca      300
336 actcggagca atgcgccagt cgaatacttc acacggccgt cgggagtga cttgtcctga      360
338 accggcttga tggggtcgtc cataccggct acgaacaccg ggaactgata agcggtagtt      420
340 gcgacgggga gggacgttcc gagctgaaca ttcattgcag ttcctttgat cgaggctggt      480
342 acagcttatg tctccggtgt ccatattcag cgacacgcgt tcatctacac tcaaaaccgt      540
344 acacatagtg tagccagctg tccagttttc gcacactacg ttagcaactg aacatatatt      600
346 gtggttgatc agtcaataag ctgtccatat ggacgagaaa gaggttcgcg cgatgattca      660
348 gcgcaaagaa accgaacgaa aaatgcaggt catcaagcag gcgtccgtgg atctgtcaca      720
350 ctcttggcag accattcaga acgcgcacga ctccacgact gtcgcaatgg agctacgaga      780
352 agccgggctt caacgcgaat tctggctaca agctctcgcg gacatcacat ctgttgtggg      840
354 aactgcctct gagctgcgca aatctatttc ccgttttctc gttgacgagc ttgacgtcag      900
356 cagccgaacc gttgccaccg ttgcagatgt ttcaccgtcg accatcagta cttggcgtgg      960
358 tgagcatgag tcatcgtaaa aacatcctct gacctgctat ggccccaatg atcacctatt      1020
360 accaaggcgg cggttcgcc gccgctgcc gcaggtccc ccacctacgc gctccgcttc      1080
362 gctcgcgctt cggtgctccg cccgcaggcc caggagcgag tttgcgcctc gtttagtcca      1140
364 tctaaggggt tctagctgg cttgaggtcg caacgcattc tgaagtcat cgaggagcag      1200
366 gaacgcata tctcgatcca gcgtggtttc ttgaccataa atcgagaggt acacgcccatt      1260
368 gacaacgcca tcgacgtcta ccgaagctgg attcgtcgcg atgccaagag gacgttcgtt      1320
370 gatgctcatg tgatggggtt acctgcaaaa atagtcagca gccaaatcgg aggcggcggc      1380
372 ttcgccgccc ctgccagcag gctcccccac ctacgcgctc cgcttcgctc gcgttcgggt      1440
374 gctccgcccg caggcccagg agcagagttt cgctcgttt agtccatcta aggggttcct      1500
376 agctggcttg aggtcgcaac gcatcctgaa gtcgatcgag gagcaggaac gcatcatctc      1560
378 gatccagcgt ggtttcttga ccataaatcg agaggtacac gcccatgaca acgccatcga      1620
380 cgtctaccga agctggattc gctgcgatgc caagaggacg ttcggtgatg ctcatgtgat      1680
382 gggtttacct gcaaaaatat tcagcagcca aatcgccgg cctttttcta tctgcccggt      1740
384 cagccccccg agaccaacca tgaaacaggc cgtctctctg tcaaggccaa gccgctacgc      1800
386 ggtgctatcg cagccctgac agagagacac ccagcttcag agcggcaagt atcgggggga      1860
388 tgccctcaag tgtggttcatt gcgggtgaaa gttgttgctc agcaacgctt ttcacttgcg      1920
390 aaccgatatt atcgggggcc gcacatccgc tgcgggcaat cgataatgca agtgcacg      1980
392 aagattttcc caagtgcgc cagcttcgac gagtccgagg atctcgccga agacgtaagg      2040
394 cgcacaagtc cgaatcatca tccacgatcg cgccggaatg atcgcaacca tgaccggggc      2100
396 agattcttcc tgctcaacga tctgagcatc tgtagttctt gcccgaagac cagctcgggc      2160
398 acgcaatcca cgggaccacg cgattgcccg acgtcccatc gaaccaaaact caaattctcg      2220

```

## RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/10/007,452

TIME: 14:00:34

Input Set : A:\CL1709 US NA Seq Listing.txt

Output Set: N:\CRF3\12202001\J007452.raw

400	ccacagttcc	aacgcttgtg	gatccccgcc	cactgcatca	acagcgattt	cccaggggtgc	2280
402	acggttgcca	tgtcgaccac	tttttccgtc	gccactacca	acctccatac	caacgccaga	2340
404	tgcaattttc	gtcagatacg	cagcgagaac	ttgatcagct	tcaccgccga	tctttcgtac	2400
406	atcgagacca	cccgaattac	gtagtggcgc	agcaaatccc	agagatacga	gtttggaagt	2460
408	ccaccgatcg	aacatcgcat	ccgagaagga	ttcgaggatg	ttctcactca	cgtcaccact	2520
410	gaacatgagt	agcgcgtgaa	cgtggacgtg	ccagccgttt	tttccgtgag	tgatttcaac	2580
412	agcgcgcacg	tatccgtcgc	agccgtacat	ttcacgttcc	gtacgccaac	gacgaccgtt	2640
414	ggtcgcagct	ttccaggctg	ccgaaaagtc	agtccatagg	tcgtggagcc	gctgaccagc	2700
416	tgatatggcg	atggtcatcg	tcaccatcgc	aacagatcca	gtcccagatt	gatgagcaac	2760
418	aacttgagaa	atttcgtctg	cacgatgtgc	accgactttt	cccgcacagc	aggggcagat	2820
420	ccagcccttt	ccgcaggaaac	gaaggcctcc	gaatccagaa	cctttcggac	cgttgacaat	2880
422	ggtcacaccg	ttcacgccag	aaatcggccg	gccacaggcg	ttaaatgttt	ctgacgtggg	2940
424	gattttgtga	agtttggttc	gcagttcgtg	ccggatgccg	cgcttatcgg	acgacacgag	3000
426	gacgggaggg	cggctcttgc	cggaaagggtg	ttcagcactt	acgctgggtca	taacgagcgg	3060
428	ggtcctagtc	aagtaggagc	ctcgaaggcg	gcggcagggtg	ggtccaacac	ccttcgtcgc	3120
430	cgctcgtatt	ttcggagtaa	atccagctag	ttcagctcgg	atactccact	tcgaggttca	3180
432	tcgattatth	ggtttttatc	cacttaacca	gcagaaacag	cgtttatcgc	tgatctgctg	3240
434	gtcagtgcgg	cgtgtcgggg	gagtcgctag	tccgcggcga	gtccccatgc	ttcgagaaca	3300
436	ccgaccttct	cttctggggg	tctgcttgct	ttcaccagtg	catcgaacag	acctcgggtat	3360
438	tcacccaagt	gttcaatatc	gaatccggct	tccctggcgt	aatcaggggtg	gtagtagcag	3420
440	cacatcgcat	ccagaatctc	ggacgattcg	gcgcgttcac	cagcatgaat	ccaaccataa	3480
442	acgtcatgcc	caccccatag	atcaggccct	cgatgatcgt	aaatgccaac	ggctagtcgg	3540
444	aggatgaata	ccgtagcttc	gtgcttcacg	catcaaccct	ctgatctgct	gcactcagaa	3600
446	ttgcatgacc	tcccgaatga	ctgcataaact	cgctcgtagac	ctgagcaacg	aacgaaggcc	3660
448	gatcagcatt	gtccatgaag	agttggacga	acttcggccg	gacgaggcca	atccacggcg	3720
450	cagtcaaaagt	ttcaaaaatca	tgtgcctcga	ggtgctcatg	cattgcaacc	gcccattgcg	3780
452	cccctcgagc	ggcgcaccag	tctcgttcaa	ctccctcgtc	gtccgaaatg	tcgtatttta	3840
454	ggcccagtg	tcgtccaact	tcggcagctg	cgtcactggc	acgttttcaa	tcgtcaccgc	3900
456	gtaagtctgt	gagctttccg	agttcatcgc	ctagaagcag	ctcagacatt	gcaaaaaacg	3960
458	tcacgaact	gacccatcgt	ggaccgacta	gtgcaccaag	gtcgtcgtcg	gtgatctgca	4020
460	tgccgcgaag	ttcgtcgacg	acagcttggc	cttccaaacc	tactctggcc	ctgagtattt	4080
462	cagttattac	gagatgatcg	ttcggccagc	ctgatttgat	ccggagtgc	gtcgttacga	4140
464	ctcgttccgt	gggcagggtt	cggcgtgagg	cgagtttttc	tcctgcctca	tgtgcaacct	4200
466	tctcaaatg	ctgtcgaatg	taggtgttta	ccgggattgc	gtctgtcggg	tagccgatca	4260
468	aggtgtgtcc	tcctgtgtgt	tcggttgta	gcctatgtcg	ccgagatgtg	ggtattccga	4320
470	ggcgattgtc	attcgttgtg	ctcggctgat	gttcagtgcg	gcttcgtacg	cgaggtctgc	4380
472	gttttcgacg	taactcgcgt	aggtcgagta	ctcacctacg	cgaaccgttc	ggatcatttg	4440
474	gcgccgtagt	ccgggttggt	cgaagaagcc	ttgaccaggg	acgaatcctt	cgaccagtgc	4500
476	gcactcttca	ggtgttgctg	tggggtgcag	cattttgaca	gattcagggt	cgtctacgcg	4560
478	gagagtcat	ttcaccgcga	agttcgagcg	ggcgtttcca	cccacgatgg	aagcttccgc	4620
480	acgttgagcc	aagagcaaca	ttctgatgcc	tgttttgga	gactgagcag	cgatctgtcg	4680
482	aacaagcgat	gtgatgcggg	gtgcgtatct	gtctgctggg	ttcagaccgt	tggttgcatc	4740
484	gaaatcctgt	gcgccctcga	tgattccggg	aaattcttcc	agtacgagca	ggatgagagg	4800
486	tagtgctggc	gagaacaacg	aaattttgtc	tatgcgtcga	tcccagaaac	actcgattcg	4860
488	tcggtcagat	tctgctttga	cgaactggag	cactcgaggg	actttgtcaa	aatcgttcag	4920
490	cccagagctcg	atgttccggt	cagccgctcg	tcggtggacg	aatggggcta	gtaagacgga	4980
492	agtgggatcg	actccgacga	cacgcacagc	gggattcgat	ccagccgtgtg	cgagcagggt	5040
494	gtaggtgcat	tgagattttc	cggaaacgggt	tttgcttga	atgagccagt	gagcagcatc	5100
496	tttggctata	tcgaccatga	cagggttgagc	tagttcgttc	catccaatcg	caatcgggat	5160

## VERIFICATION SUMMARY

DATE: 12/20/2001

PATENT APPLICATION: US/10/007,452

TIME: 14:00:35

Input Set : A:\CL1709 US NA Seq Listing.txt

Output Set: N:\CRF3\12202001\J007452.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date